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APPLICATION NO.	. 1	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/760,085		01/12/2001	Jaap Goudsmit	9250-28CT	3169
20792	7590	02/13/2004		EXAMINER	
MYERS BIGEL SIBLEY & SAJOVEC PO BOX 37428				TUNG, JOYCE	
RALEIGH, NC 27627				ART UNIT	PAPER NUMBER
				1637	
			DATE MAILED: 02/13/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No.	Applicant(s)					
	'''					
09/760,085	GOUDSMIT ET AL.					
Examiner	Art Unit					
Joyce Tung	1637					
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'IS SET TO EXPIRE 3 MONTH(36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) day fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE date of this communication, even if timely filed	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
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☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).					
ion is required if the drawing(s) is ob aminer. Note the attached Office						
s have been received in Applicati ity documents have been receive	on No ed in this National Stage					
4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:						
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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/6/2003 has been entered.

Following the entry of the amendment filed 12/9/2003, the claims 16-21, 28-31 and 38-44 are pending.

2. Applicant's arguments filed 12/09/2003 and 11/6/2003 with respect to claims 16-21, 28-31 and 38-44 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 16-21, 28-31 and 38-44 are rejected under 35 U.S.C. 102(b) as being anticipated by Bastian et al. (WO 95/21849 (US 6,180,778 used herein as translation)).

Bastian et al. disclose a method of separating nucleic acid mixture into their double stranded and single stranded fraction. All nucleic acids are simultaneous adsorbed in a mineral substrate, then separated by fractional elution into double stranded and single stranded nucleic acids, or double stranded and single stranded nucleic acid of a sample are selectively

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adsorbed in a mineral substrate (See the Abstract). The double stranded nucleic acid predominantly binds to the first mineral support and after optionally performed washing steps, can be eluted under conditions for low ionic strength or with water (See column 3, lines 23-28). The non-adsorbed single-stranded nucleic acid collected are subsequently adjusted and can be adsorbed to a second mineral support and become eluted under conditions of low ionic strength or with water (column 3, lines 30-36). The treatment condition contains a chaotropic substance (See column 4, lines 12-16). The mineral support consists of porous or non-porous metal oxides, silica gel or glass (See column 6, lines 6-21). The particle size is 0.1 um to 1000um (See column 6, lines 6-12). For binding double stranded nucleic acid to mineral supports, the solution contains quanidinium thiocyanate with concentration 1 to 8 M and EDTA with the concentration from 5 mM to 200mM (See column 6, lines 49-58). Centrifuge is involved for pelletizing the silica material (See column 8, lines 53-54). Magnesium chloride, in concentration of from 0.1 to 10M may also be in combination for lysing or binding the sources containing nucleic acids (See column 5, lines 61-67 and column 15, claims 11-14). The complexes comprise alkaline earth metal ions bound to EDTA (See column 16, claim 22). Thus, the teachings of Bastian et al. anticipate the limitations of claims 16-21, 28-31 and 38-44.

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5. Any inquiries concerning this communication or earlier communications from the examiner should be directed to Joyce Tung whose telephone number is (571) 272-0790. The examiner can normally be reached on Monday-Friday from 8:00 AM-4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Benzion can be reached at (571) 272-0782 on Monday-Friday from 10:00 AM-6:00 PM.

Any inquiries of a general nature or relating to the status of this application should be directed to the Chemical/Matrix receptionist whose telephone number is (703) 308-0196.

6. Papers related to this application may be submitted to Group 1600 by facsimile transmission. Papers should be faxed to Art Unit 1637 via the PTO Fax Center located in Crystal Mall 1 using (703) 305-3014 or 308-4242. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 OG 30 (November 15, 1989).

Joyce Tung

February 5, 2004

ETHAN WHISENANT PRIMARY EXAMINER